CONTENTS OF VOLUME 111

AMBROSIO, L., Existence Theory for a New Class of Variational Problems 291

BERESTYCKI, H., B. LARROUTUROU & P. L. LIONS, Multi-Dimensional Travelling-Wave Solutions of a Flame Propagation Model 33

CHEN, C.-N., Uniqueness and Bifurcation for Solutions of Nonlinear Sturm-Liouville Eigenvalue Problems 51

COHEN, H., & C.-C. WANG, On a Finite Disk Method for Hyperelastic Rods and Shells 343

DI BENEDETTO, E., & M. A. HERRERO, Non-negative Solutions of the Evolution p-Laplacian Equation. Initial Traces and Cauchy Problem when $1 < p < 2$ 225

HERRERO, M. A., see E. DI BENEDETTO 225

HOFFMAN, D., & W. H. MEEKS, III, Limits of Minimal Surfaces and Scherk's Fifth Surface 181

HRUSA, W. J., & S. A. MESSAOUDI, On Formation of Singularities in One-Dimensional Nonlinear Thermoelasticity 135

LARROUTUROU, B., see BERESTYCKI, H. 33

LIONS, P. L., see BERESTYCKI, H. 33

MARRIS, A. W., A Property of the Set of Rivlin-Ericksen Tensors . . . 197

MEEKS, W. H., III, see HOFFMAN, D. 181

MESSAOUDI, S. A., see HRUSA, W. J. 135

NOLL, W., & E. G. VIRGA, On Edge Interactions and Surface Tension . . . 1

PITTERI, M., On a Statistical-Kinetic Model for Generalized Continua . . 99

SEGEV, R., On Statical Theories and Models 211

SLEMROD, M., Large Time Behavior of the Broadwell Model of a Discrete Velocity Gas with Specularly Reflective Boundary Conditions 323

TARTAR, L., Memory Effects and Homogenization 121

TRUDINGER, N. S., The Dirichlet Problem for the Prescribed Curvature Equations 153

VIANELLO, M., The Representation Problem for Constrained Hyperelastic Materials 87

VIRGA, E. G., see NOLL, W. 1

WANG, C.-C., see COHEN, H. 343